

# Region 1 Fire Danger Outlook

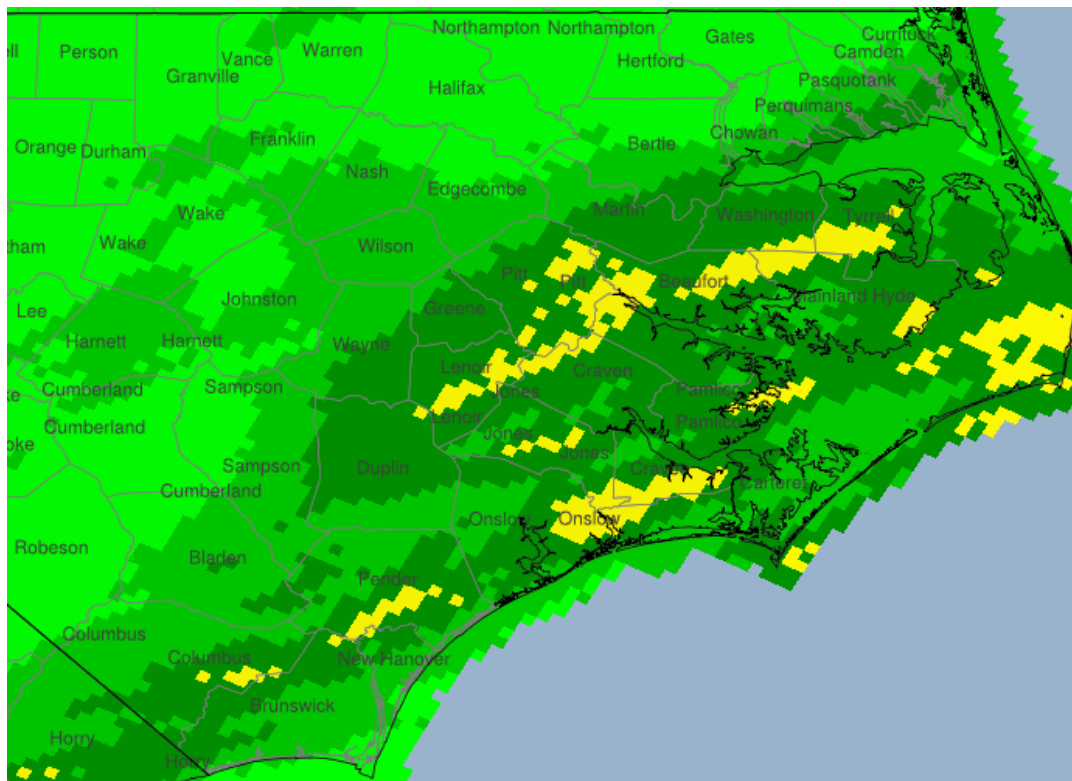
4/13/18

Cabe Speary, Fire Environment Forester, 252-325-3089

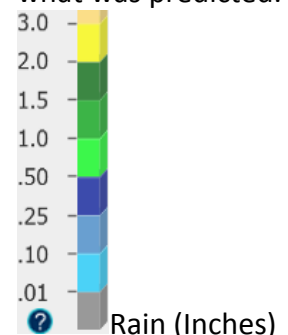
## Weather Outlook

- High pressure will prevail across the area through early Sunday. A strong and dynamic cold front, accompanied with strong to possibly severe thunderstorms, will push eastward across the area from Sunday afternoon thru early Monday morning. Drying and back to near normal temperatures under breezy conditions slated for early next week as high pressure slowly builds in from the Gulf Coast States. For April 20<sup>th</sup>-26<sup>th</sup>, there is 33-50% chance of **above** normal precipitation.
- Minimum RH will generally be in the mid 40s tomorrow, climbing to the upper 50s to low 60s for Sunday, and back to the low 50s for Monday. For the remainder of the period, expect 30-40% range.
- Winds will generally be out of the W/SW 7-17 MPH tomorrow and Sunday, with gusts to 25. For the remainder of the period they will be 10-15 MPH. Mixing heights of 4,500-6,000 feet for Saturday, with transport winds SW at 15-20 MPH. For Sunday, mixing heights of 3,500-5,000 can be expected with transport winds S at 15-20 MPH.
- High temperatures will generally be in the mid 70s-mid 80s through Sunday. After the front passes, they will be in the 60s to near 70 for Monday and Tuesday, before climbing into the 70s for the remainder of the period. Lows will in the 50s to 60 tonight through Saturday night, with upper low 40s for Monday through Tuesday, before climbing back to the 50s for Wednesday. For April 20<sup>th</sup>-26<sup>th</sup>, there is an 40-50% chance of **below** normal temperatures.

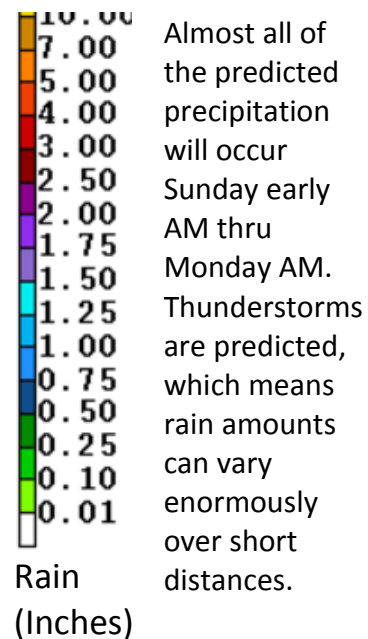
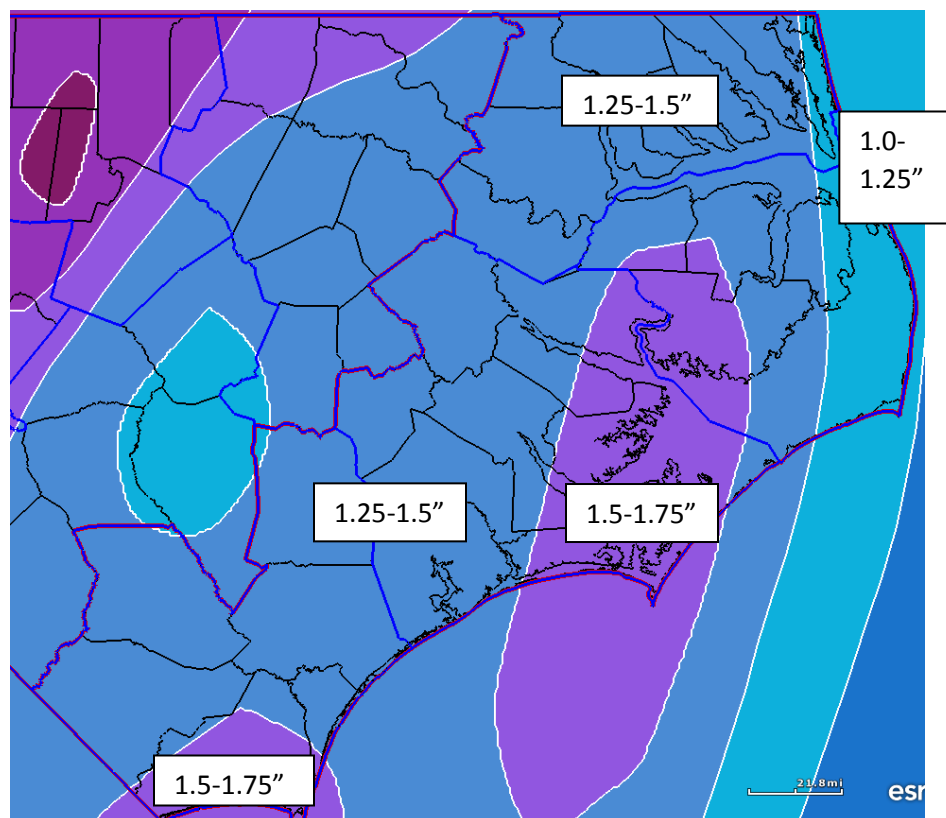
## Precipitation Estimates for April 7<sup>th</sup>, 0800 to April 13<sup>th</sup>, 0800



Most of the region got at least 1" this past week. Somewhat less than what was predicted.

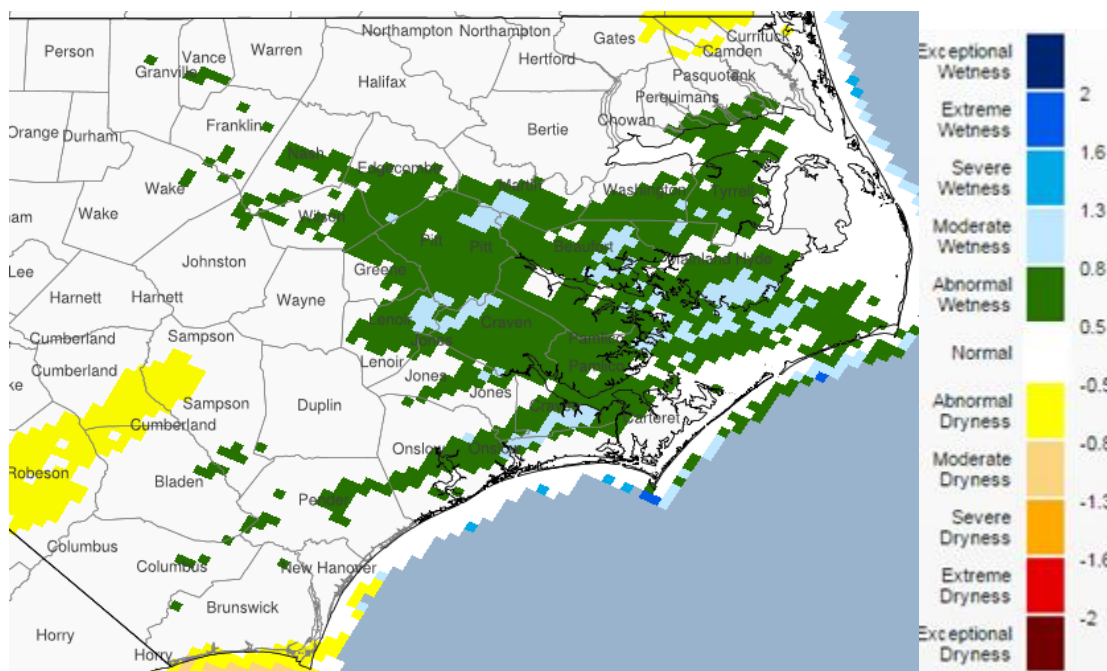


## Forecast Precipitation, April 14, 2000-April 16, 2000



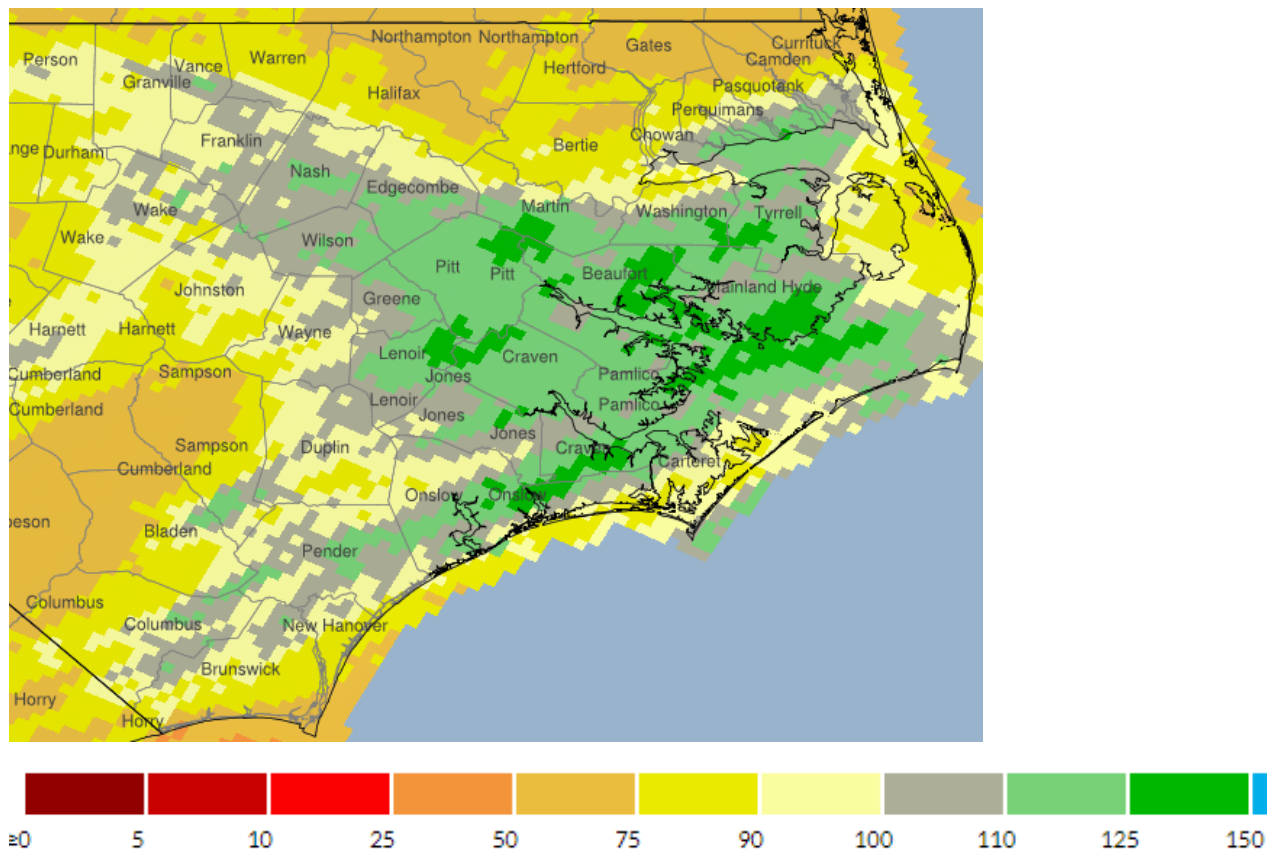
Almost all of the predicted precipitation will occur Sunday early AM thru Monday AM. Thunderstorms are predicted, which means rain amounts can vary enormously over short distances.

## 30 Day Standardized Precipitation Evapotranspiration Index (SPEI)

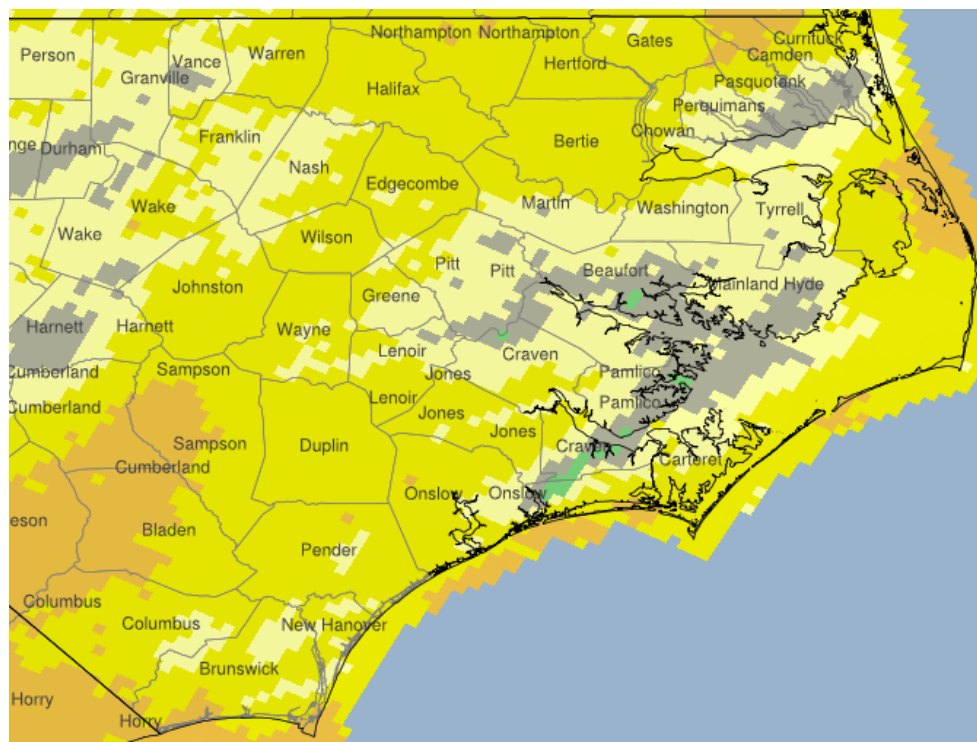


Other than a few small areas in D-7, the region is normal or above normal for this time of year at this scale.

## 30 Day Percent of Normal Precipitation

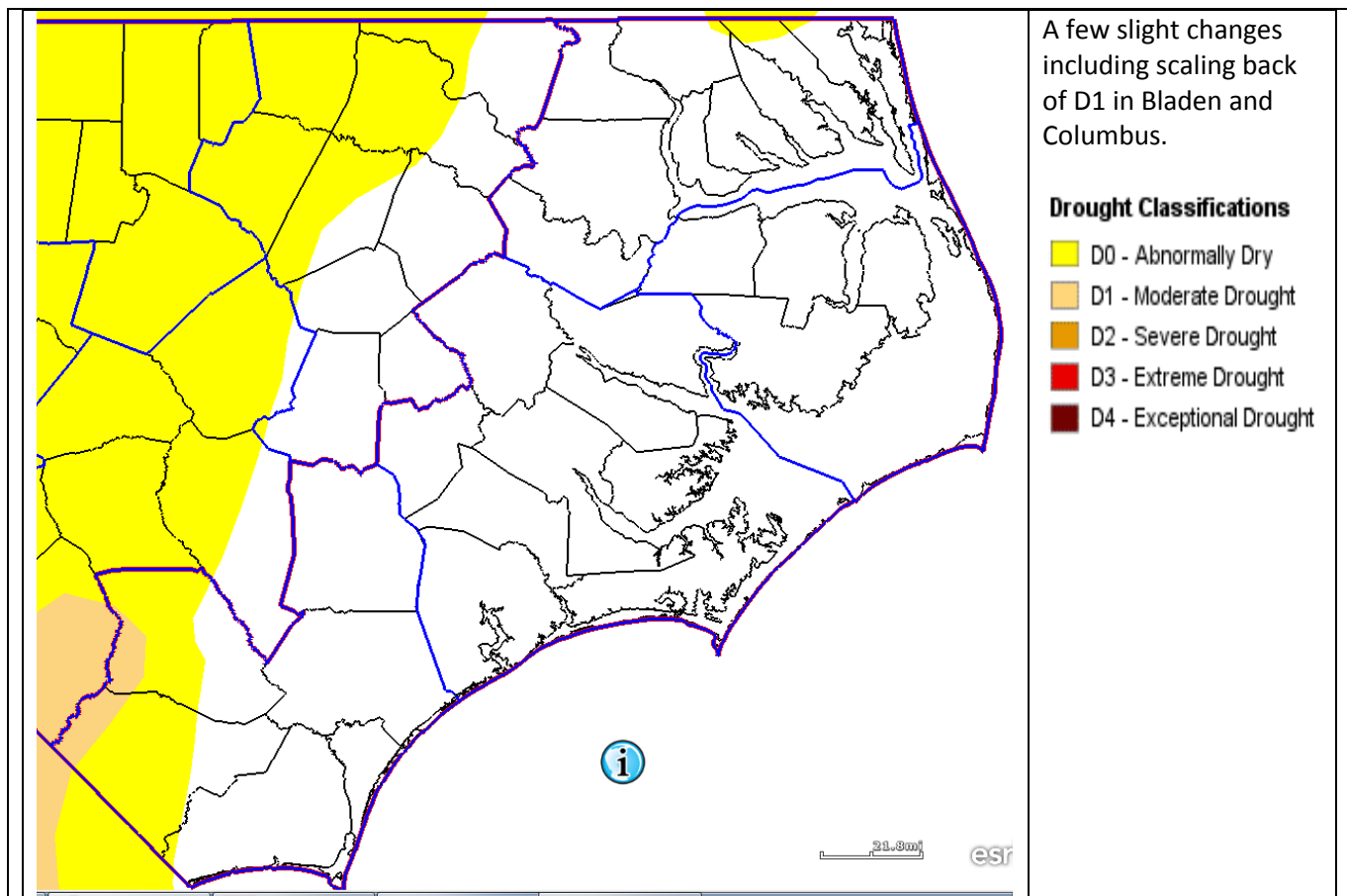


## 90 Day Percent of Normal Precipitation

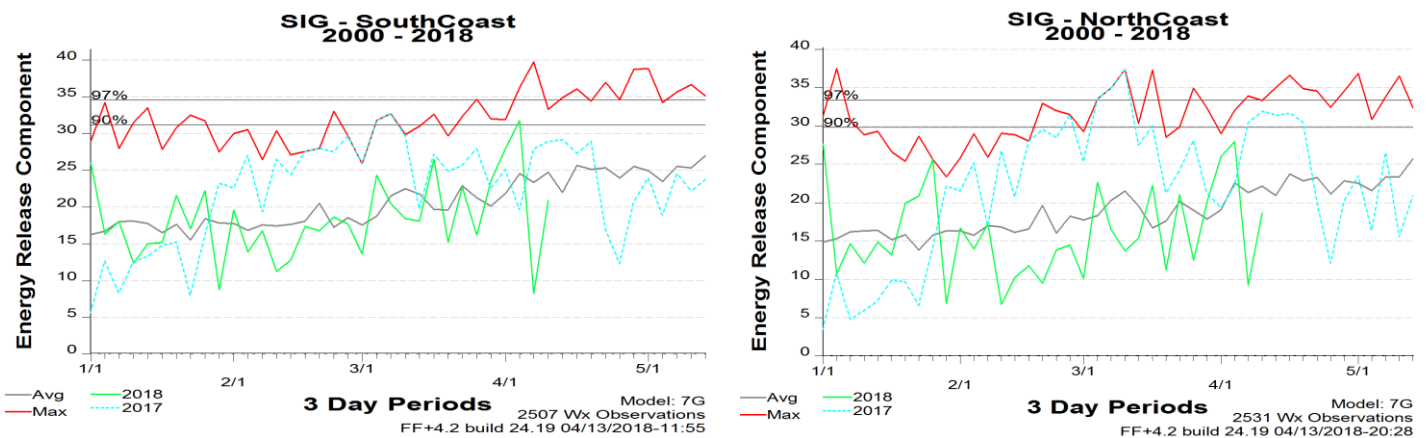


Most of the region is at 50% of normal or better. At this time scale, there is no real concern. Even at the 90 day, there is little concern at this point. However, if deficits continue to mount through spring and early summer, larger fuel classes will become more available to burn more intensely.

## Drought Map, as of April 10th, 2018

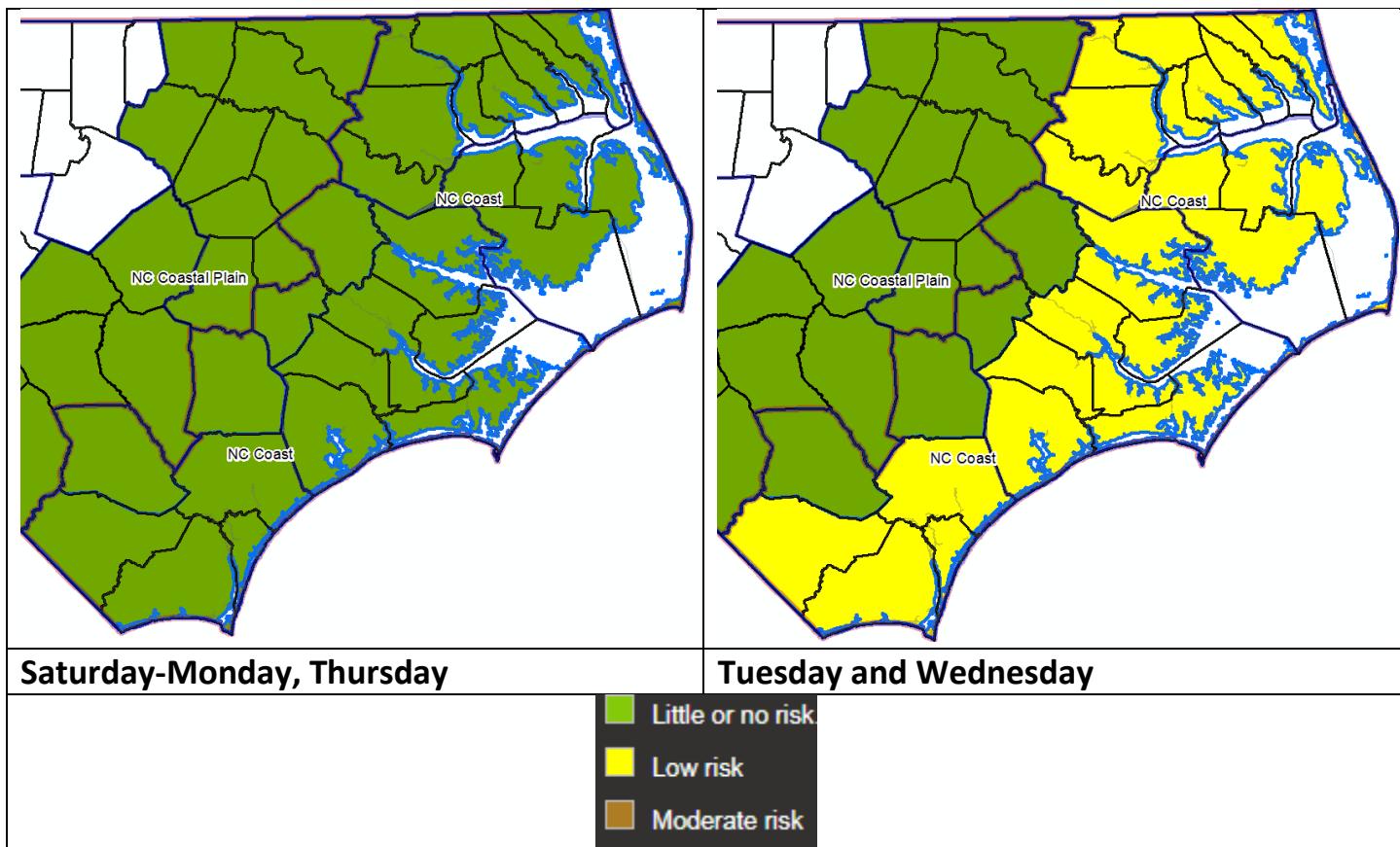


## ERC Trends



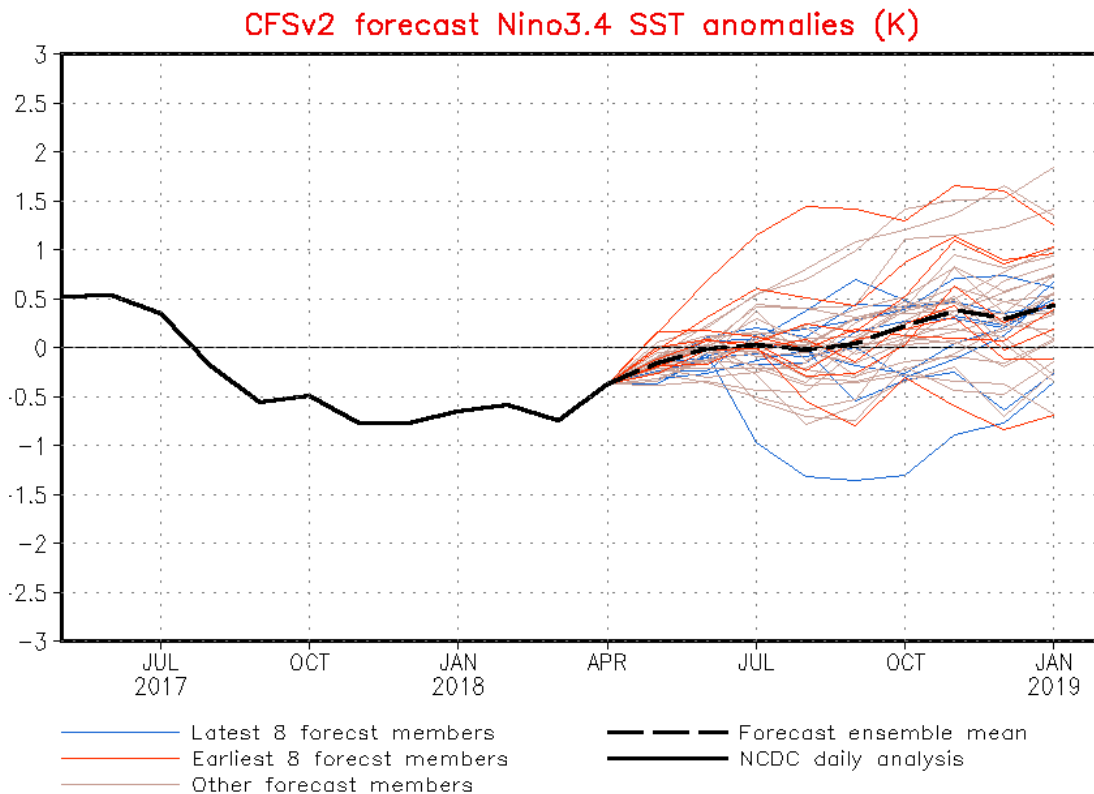
ERC dropped quickly after the last rain period. It has moved back to slightly below to near normal. They may increase some today and tomorrow, but be back down for Sunday through Monday, then inching back up later next week.

## Seven Day Significant Fire Potential



**DENSCA is predicting Moderate for tomorrow and Tuesday-Thursday, with Low for Sunday and Monday.**

## ENSO Trends



According to this graph, the move to ENSO neutral (less than .5° C anomaly in sea surface temperature at zone 3.4) has already occurred. However, this condition must remain in place for 3 months before neutral conditions will be declared. At least a few models are predicting a move back to marginal La Nina conditions from summer to early fall.